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**Construction Group Int'l LLC**  
Mark Marcell  
19407 144th Ave NE, Building D  
Woodenville, WA 98072

**RE: Rainier Commons**  
**Lab ID: 1410271**

October 27, 2014

**Attention Mark Marcell:**

Fremont Analytical, Inc. received 1 sample(s) on 10/24/2014 for the analyses presented in the following report.

***Polychlorinated Biphenyls (PCB) by EPA 8082***

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

A handwritten signature in black ink, appearing to read "Chelsea Ward". The signature is fluid and cursive, with the first letter of the first name being a large, stylized 'C'.

Chelsea Ward  
Project Manager



Date: 10/27/2014

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**CLIENT:** Construction Group Int'l LLC  
**Project:** Rainier Commons  
**Lab Order:** 1410271

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## Work Order Sample Summary

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Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1410271-001	001	10/24/2014 10:30 AM	10/24/2014 11:07 AM

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Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

**CLIENT:** Construction Group Int'l LLC**Project:** Rainier Commons

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**I. SAMPLE RECEIPT:**

Samples receipt information is recorded on the attached Sample Receipt Checklist.

**II. GENERAL REPORTING COMMENTS:**

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

**III. ANALYSES AND EXCEPTIONS:**

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.



# Analytical Report

WO#: 1410271

Date Reported: 10/27/2014

**Client:** Construction Group Int'l LLC

**Collection Date:** 10/24/2014 10:30:00 AM

**Project:** Rainier Commons

**Lab ID:** 1410271-001

**Matrix:** Wastewater

**Client Sample ID:** 001

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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**Polychlorinated Biphenyls (PCB) by EPA 8082**

Batch ID: 9103

Analyst: NG

Aroclor 1016	ND	0.200		µg/L	1	10/27/2014 1:17:00 PM
Aroclor 1221	ND	0.200		µg/L	1	10/27/2014 1:17:00 PM
Aroclor 1232	ND	0.200		µg/L	1	10/27/2014 1:17:00 PM
Aroclor 1242	ND	0.200		µg/L	1	10/27/2014 1:17:00 PM
Aroclor 1248	ND	0.200		µg/L	1	10/27/2014 1:17:00 PM
Aroclor 1254	0.608	0.200		µg/L	1	10/27/2014 1:17:00 PM
Aroclor 1260	ND	0.200		µg/L	1	10/27/2014 1:17:00 PM
Aroclor 1262	ND	0.200		µg/L	1	10/27/2014 1:17:00 PM
Aroclor 1268	ND	0.200		µg/L	1	10/27/2014 1:17:00 PM
Total PCBs	0.608	0.200		µg/L	1	10/27/2014 1:17:00 PM
Surr: Decachlorobiphenyl	73.9	45.1-140		%REC	1	10/27/2014 1:17:00 PM
Surr: Tetrachloro-m-xylene	50.5	27.4-132		%REC	1	10/27/2014 1:17:00 PM

**Qualifiers:** B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
RL Reporting Limit

D Dilution was required  
H Holding times for preparation or analysis exceeded  
ND Not detected at the Reporting Limit  
S Spike recovery outside accepted recovery limits



Date: 10/27/2014

Work Order: 1410271

CLIENT: Construction Group Int'l LLC

Project: Rainier Commons

## QC SUMMARY REPORT

## Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: <b>MB-9103</b>	SampType: <b>MBLK</b>	Units: <b>µg/L</b>			Prep Date: <b>10/24/2014</b>			RunNo: <b>17633</b>			
Client ID: <b>MBLKW</b>	Batch ID: <b>9103</b>	Analysis Date: <b>10/27/2014</b>						SeqNo: <b>351383</b>			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.200									
Aroclor 1221	ND	0.200									
Aroclor 1232	ND	0.200									
Aroclor 1242	ND	0.200									
Aroclor 1248	ND	0.200									
Aroclor 1254	ND	0.200									
Aroclor 1260	ND	0.200									
Aroclor 1262	ND	0.200									
Aroclor 1268	ND	0.200									
Total PCBs	ND	0.200									
Surr: Decachlorobiphenyl	182		400.0		45.4	45.1	140				
Surr: Tetrachloro-m-xylene	246		400.0		61.6	30.1	116				

Sample ID: <b>LCS-9103</b>	SampType: <b>LCS</b>	Units: <b>µg/L</b>				Prep Date: <b>10/24/2014</b>			RunNo: <b>17633</b>		
Client ID: <b>LCSW</b>	Batch ID: <b>9103</b>	Analysis Date: <b>10/27/2014</b>						SeqNo: <b>351384</b>			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.58	0.200	2.000	0	79.0	38.2	129				
Aroclor 1260	1.63	0.200	2.000	0	81.7	43.3	126				
Surr: Decachlorobiphenyl	275		400.0		68.7	45.1	140				
Surr: Tetrachloro-m-xylene	260		400.0		65.1	30.1	116				

Sample ID: <b>LCSD-9103</b>	SampType: <b>LCSD</b>	Units: <b>µg/L</b>				Prep Date: <b>10/24/2014</b>			RunNo: <b>17633</b>		
Client ID: <b>LCSW02</b>	Batch ID: <b>9103</b>	Analysis Date: <b>10/27/2014</b>							SeqNo: <b>351385</b>		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.39	0.200	2.000	0	69.7	38.2	129	1.580	12.5	30	
Aroclor 1260	1.45	0.200	2.000	0	72.4	43.3	126	1.634	12.1	30	

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits



Date: 10/27/2014

Work Order: 1410271  
CLIENT: Construction Group Int'l LLC  
Project: Rainier Commons

**QC SUMMARY REPORT**  
**Polychlorinated Biphenyls (PCB) by EPA 8082**

Sample ID: <b>LCSD-9103</b>	SampType: <b>LCSD</b>	Units: <b>µg/L</b>		Prep Date: <b>10/24/2014</b>	RunNo: <b>17633</b>
Client ID: <b>LCSW02</b>	Batch ID: <b>9103</b>	Analysis Date: <b>10/27/2014</b>		SeqNo: <b>351385</b>	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Surr: Decachlorobiphenyl	298		400.0		74.4 45.1 140 0
Surr: Tetrachloro-m-xylene	281		400.0		70.2 30.1 116 0

Sample ID: <b>CCV PCB-1254</b>	SampType: <b>CCV</b>	Units: <b>µg/L</b>		Prep Date: <b>10/27/2014</b>	RunNo: <b>17633</b>
Client ID: <b>CCV</b>	Batch ID: <b>9103</b>	Analysis Date: <b>10/27/2014</b>		SeqNo: <b>351469</b>	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Aroclor 1254	0.983	0.200			
Surr: Decachlorobiphenyl	30.3		50.00		60.6 54.3 143
Surr: Tetrachloro-m-xylene	37.9		50.00		75.7 64.9 133

Sample ID: <b>1410265-001AMS</b>	SampType: <b>MS</b>	Units: <b>µg/L</b>		Prep Date: <b>10/24/2014</b>	RunNo: <b>17633</b>
Client ID: <b>BATCH</b>	Batch ID: <b>9103</b>	Analysis Date: <b>10/27/2014</b>		SeqNo: <b>351534</b>	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Aroclor 1016	1.54	0.200	2.000	0.1548	69.2 45.5 118
Aroclor 1260	2.03	0.200	2.000	0.2848	87.2 50.8 129
Surr: Decachlorobiphenyl	173		400.0		43.2 45.1 140 S
Surr: Tetrachloro-m-xylene	336		400.0		83.9 30.1 116

**NOTES:**

S - Outlying surrogate recovery observed. The LCS and MB were within range.

<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
	R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits



## Sample Log-In Check List

Client Name: **CGI**

Work Order Number: **1410271**

Logged by: **Erica Silva**

Date Received: **10/24/2014 11:07:00 AM**

### Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐  
2. How was the sample delivered? Client

### Log In

3. Coolers are present? Yes ☐ No ☒ NA ☐  
**Sample received straight from field**  
4. Shipping container/cooler in good condition? Yes ☒ No ☐  
5. Custody seals intact on shipping container/cooler? Yes ☐ No ☐ Not Required ☒  
6. Was an attempt made to cool the samples? Yes ☐ No ☐ NA ☒  
7. Were all coolers received at a temperature of >0°C to 10.0°C? Yes ☐ No ☐ NA ☒  
8. Sample(s) in proper container(s)? Yes ☒ No ☐  
9. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐  
10. Are samples properly preserved? Yes ☒ No ☐  
11. Was preservative added to bottles? Yes ☐ No ☒ NA ☐  
12. Is the headspace in the VOA vials? Yes ☐ No ☐ NA ☒  
13. Did all samples containers arrive in good condition(unbroken)? Yes ☒ No ☐  
14. Does paperwork match bottle labels? Yes ☒ No ☐  
15. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐  
16. Is it clear what analyses were requested? Yes ☒ No ☐  
17. Were all holding times able to be met? Yes ☒ No ☐

### Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:

Date:

By Whom:

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

19. Additional remarks:

### Item Information



# Fremont

Analytical

3600 Fremont Ave N.  
Seattle, WA 98103

Tel: 206-352-3790  
Fax: 206-352-7178

Date: 10-24-14

## Chain of Custody Record

Laboratory Project No (internal): 1410271

Client:

Construction Group Inc

Project Name:

Rainier Commons

Address:

Location:

City, State, Zip

Tel: 425-482-2658

Collected by:

Reports To (PM): Mark Maxwell

Fax: 425-482-2619

Email:

Project No:

\*Matrix Codes: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, WW = Waste Water

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOC (EPA 8260)	GV/TEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HID)	Diesel/Heavy Oil Range Organics (DO)	SEM VOL (EPA 8270)	PAH (EPA 8270 - SM)	PCBs (EPA 8082)	Metals** (6020 / 200.8)	Total (T) / Dissolved (D)	Anions (IC)***	EDB (8011)	Comments/Depth
1 <u>001</u>	<u>10/24/14</u>	<u>10:59</u>	<u>WW</u>														
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

\*\*Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Si Ti Tl U V Zn

\*\*\*Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Special Remarks:

Sample Disposal: ☐ Return to Client ☒ Disposal by Lab (A fee may be assessed if samples are retained after 30 days.)

Relinquished

Date/Time

Received

Date/Time

Relinquished

Date/Time

Received

Date/Time

TAT -> SameDay^ NextDay^ 2 Day 3 Day STD

^Please coordinate with the lab in advance